CLAIM AMENDMENTS

1. – 35.   (Canceled)

36.   **(Currently Amended)**   A method for detection of data corruption, the method comprising:

performing a procedure on a <u>newly manufactured and previously uncalibrated</u> component so as to generate calibration data concerning the component;

transmitting the calibration data <u>from a calibration device</u> to an external storage [[source over]] <u>device by way of</u> a distributed network;

receiving a message over the distributed network concerning an error detected in the calibration data; [[and]]

informing an operator of [[a]] <u>the</u> calibrating device of the error detected in the calibration data<u>; and</u>

<u>if the error is corrected, approving the component for distribution to a customer</u>.

37.   **(Previously Presented)**   The method of claim 36, further comprising storing, at the calibrating device, the calibration data.

38.   **(Previously Presented)**   The method of claim 36, further comprising storing the calibration data in an archive storage device.

39.   **(Previously Presented)** The method of claim 36, further comprising temporarily storing the calibration data in a file.

40.   **(Currently Amended)**   The method of claim 39, wherein transmitting the calibration data to an external storage [[source over]] <u>device by way of</u> the distributed network comprises transmitting contents of the file to a database over the distributed network, the transmitting of the file contents being performed in accordance with predetermined criteria.

41.   **(Currently Amended)**   The method of claim 36, wherein transmitting the calibration data to an external storage [[source over]] <u>device by way of</u> the distributed network comprises transmitting the calibration data to a database.

42.   **(Previously Presented)** The method of claim 36, wherein the operator is informed of the error in real time.

43.   **(Previously Presented)** The method of claim 36, wherein receiving a message over the distributed network concerning the error detected in the calibration data comprises receiving instructions pertaining to steps that the operator should follow to correct the error in the calibration data.

44.   **(Previously Presented)** The method of claim 36, wherein informing an operator of the calibrating device of the error detected in the calibration data comprises visually displaying the message to the operator of the calibrating device.

45.   **(Currently Amended)** A method for managing data, the method comprising:

over a distribution network comprising a plurality of calibration devices, obtaining calibration data from each calibration device and temporarily archiving the calibration data locally at each calibration device, generation of the calibration data being achieved in connection with physical interactions between the calibration devices and respective associated components;

receiving, over the distributed network, the calibration data from one or more of the plurality of calibrating devices;

storing the calibration data received from the one or more calibrating devices in a database such that the calibration data is organized in a standard format that can be compared with other calibration data;

comparing calibration data from one calibration device with calibration data from another calibration device; and

enabling the calibration data to be accessed by one or more network devices of a global network.

46.   **(Previously Presented)** The method of claim 45, further comprising transmitting a message to one of the calibrating devices.

47.   **(Previously Presented)** The method of claim 45, wherein calibration data is received concurrently from two or more of the plurality of the calibrating devices.

48.   **(Currently Amended)**   A method performed by a network device communicatively connected to one or more calibrating devices and a storage source within a distributed network, the method comprising:

receiving calibration data stored at each of the one or more calibrating devices, the calibration data received from each calibrating device including calibration data for each of a plurality of components previously processed by that calibrating device;

storing the received calibration data in the storage source;

accessing the stored calibration data ~~stored in the storage source corresponding to the one or more calibrating devices~~;

identifying one or more errors in the accessed calibration data ~~corresponding to one of the calibrating devices~~ by comparing calibration data for each of the components; and

transmitting a message to an operator of the calibrating device ~~corresponding to the one or more errors~~ that is associated with the calibration data containing the one or more errors.

49.   **(Previously Presented)**   The method of claim 48, wherein transmitting a message to an operator of the calibrating device comprises transmitting instructions pertaining to steps that the operator of the calibrating device should follow to correct the one or more errors in the calibration data.

50.   **(Previously Presented)**   The method of claim 48, wherein identifying one or more errors in the calibration data comprises:

searching the calibration data for components which have skipped a required procedure; and

evaluating the calibration data to determine if a particular component has been improperly calibrated.

51.   **(Currently Amended)** The method of claim [[48]] 50, wherein searching the calibration data for components which have skipped a required procedure comprises:

analyzing the calibration data to determine procedures required to be performed by the calibration device upon the components; and

determining if any of the required procedures are missing for any of the components.

52.   **(Previously Presented)** The method of claim 48, wherein the method of managing data further comprises:

at each calibration device, after obtaining calibration data from each calibration device and before temporarily archiving the calibration data locally at each calibration device, filtering the calibration data locally at each calibration device.

53.   **(Previously Presented)** The method of claim 48, wherein the method of managing data further comprises:

at each calibration device, after a certain length of time, deleting archived calibration data that is of no further use.

54.   **(New)** The method of claim 36, wherein the error message indicates that a particular calibration or testing procedure has not been performed on the component.

55.   **(New)** The method of claim 45, wherein at least a portion of the method is performed at a point of manufacture of a component in connection with which some of the calibration data is obtained.

56.   **(New)** The method of claim 48, wherein the calibration data received from one of the calibration devices includes pass rate information concerning the components processed by that calibration device.

57.   **(New)** The method of claim 48, wherein the message comprises an instruction to reconfigure a portion of the calibration device from which the calibration data including the errors was obtained.